A composite system for radiation therapy includes a A composite system for raulation of an affected portion the position of an affected portion of a patient to be irradiated, an irradiation apparatus for or a pactent to be irradiaced, an irradiation of the disposing, on the basis of positional information of the ABSTRACT OF THE DISCLOSURE or bhosting, on the barrent phospition of the barrent at affected bortion checked by the CT scanner, the patient at arrected position at which the affected portion is arranged to an irranged portion, and performing used for irradiation to the affected portion, a common bed used for a spectruc position, and performing aligned to an irradiation position, irradiation to the arrected portion, a common ped state the CT scanner and the irradiation apparatus, in a state that the patient lies on the common bed and moving means that the patient from the CT scanner to the specific for moving for moving the partent from the paratus. The moving means position of the irradiation apparatus. moves the barjeur ou the common ped to the abscritic noves the patient on the common ped to the specific position by causing either of linear movement of the CT pusition by causing either of linear movement of scanner and the irradiation apparatus, linear movement of the CT scanner and curved movement of the irradiation apparatus, curved movement of the CT scanner and the apparatus and linear movement of the CT scanner Irraulation apparatus and linear movement of the common bed, and linear movement of the CT scanner and the common bed. linear movement of the CT scanner and curved movement of the common bed. With this composite system, at the time of Tadiation therapy for tumor or the like, the affected radiacion therapy for tumor or the like, the position of portion can be irradiated in a state that the position purction can be irraulated in a state that the position of the affected portion aligned by a CT scanner is accurately week. West was a result. the control of the positional accuracy of the affected ortion in radiation therapy and hence to significantly increase the effect of the radiation therapy.